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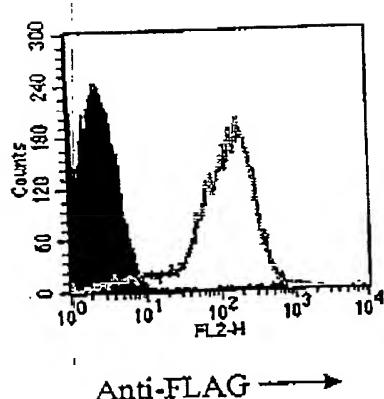


Figure 1

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Figure 2

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Figure 2 (continued)

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Figure 2 (continued)

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2890 2910 2930 2950 2970
GCATCTAGGAGTATCTACCTTGATACACCTTATGGATATCCACATGGTTATTGTGTGTCTGAGGGTGTGAAATTTC
2990 3010 3030 3050
TAAGGGTGTATGATGAGTTAATGGCCATTATTATTCAGGGTGTGGCTTGTGTAGCTGATAATGGTATATTCCCTGATCTGCA
3070 3090 3110 3130
TCTTTCATCTGTTATTTCCCTGGCATACTTATTCAACAAGACCTAGAGCCCTGGTTATTACTTTTCCTCCATAGAAGCTATT
3170 3190 3210 3230
TGTCCTCAGGATTCAGTATGTCATAATTCTTATAGCTGTTATCATGAGAAATATCATGTTATCTGTTATTAATTTAATCTG
3250
GCAATTAATGCTGAAAGGA

Figure 2 (continued)

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50

Em1_Human	W A U F N I L L F W	U C C V M I H S W Q Q	W I A P T T K P W T	K U N N C D S I	W F P A Y A L C I N
Em1_Mouse	W U F N I L L F W	Q F S Q M Y A W Q M	T T A P T L Q Q T L	G O V N E C Q U Y	I F P A Y A T C I N
Em1_Fish	W O S R G L L I A S	Y P Q H L L I W S I	L Q W M	W	W
CG1_Human	W Q H I V P L A F C	Y W U T I F G A E T	Q Q	Q Q	Q Q

100

Em1_Human	I V H S V V C F C K	Q A F L S H Q Q N	W F X D P G V A C K	W I D E C Q S P Q	W U G P H S S C K N
Em1_Mouse	I T H S V V C T C K	R Q F L S N U Q T	W F Q Q P O V E Q Q	D Y H E C L Q A S	W C Q P N S V C N
Fish	W	W	W	W	W
CG1_Human	W	W	W	W	W

150

Em1_Human	I S Q R Y K C S C I	D Q Y S S P T Q H D	W Y P O K E O H S	C I D I N E C L S	K Y C P E N S O C Y
Em1_Mouse	I L G R A K C S C L	R G P S S S T Q K D	W I L Q S D U N P L	C A D Y D E C L Y	O C C P K Y S H C S
Fish	W	W	W	W	W
CG1_Human	W	W	W	W	W

200

Em1_Human	I S I H E M O S V S C S C	Q V Q F I E R N S T	C E D Y N E C A D F	R A C F R H A T C H	N T V Q H V S C C
Em1_Mouse	H S V U S V I S C T C	Q P O F V L N G S I	C E D E R A C V Y K	D Y C F R H A T C H	— N T E G S - V C T C
Fish	W	W	W	W	W
CG1_Human	W	W	W	W	W

250

Em1_Human	W P Q F E Z S A S G H	L S C Q Q O L K A S C	E D V D E C S A N S	F I D G Y F F C I	H I F U S Y C S C
Em1_Mouse	H E G L E Z S S Q Q Q	P M F Q Q L O E S C	E D V D E C S A N S	F I D G Y F F C I	H I F U S Y C S C
Fish	W	W	W	W	W
CG1_Human	W P Q F E Z S A S G H	L S C Q Q O L K A S C	E D V D E C S A N S	F I D G Y F F C I	H I F U S Y C S C

300

Em1_Human	2 5 1	W I D E C T E M C	W I N T E R Q I V V C Y	W I N T E R Q I V V C Y	W I N T E R Q I V V C Y
Em1_Mouse	P A Q E S I P T P Q	T D I O I E C U D I C	W I N T E R Q I V V C Y	W I N T E R Q I V V C Y	W I N T E R Q I V V C Y
Fish	W	W	W	W	W
CG1_Human	W	W	W	W	W

350

Em1_Human	2 6 1	Q I N F T . D Q O V	E C K U I N E C A D	D R S 1 I D O P N S I	F I N A H U S S I
Em1_Mouse	C I I R H F A S S I D Q	Q I N F K . A L E V	T C H D I U E C T Q	D R C O I N L N S Y	G I N V U G S Y
Fish	C X E D O F W T G S E	H A R I I . C P H E	X C Q D B H E C L L	K E L Y U R E D V A Y	G E N K I G U Y
CG1_Human	C S F U R V E V S D	A K T F K N H S N	I C Q D V H E C S S	N U I U Q U S S I V	G F N T V U S S C

400

Em1_Human	3 5 1	Q I N F T . D Q O V	E C K U I N E C A D	D R S 1 I D O P N S I	F I N A H U S S I
Em1_Mouse	G U I Q G U R N P . E G S Q K D G N F S	C O V U L P C C K D	G V U L P H K Q I O	Q V U L P H K Q I O	Q V U L P H K Q I O
Fish	G U I Q G U R N P . E G S Q K D G N F S	C K R I L P X C K E	D L I Q S E Q I Q	Q C H A V Q Q D L	Q C H A V Q Q D L
CG1_Human	S C V V K Y U F W N W A Q L I N I P H F	D C Y N	W	W	W

Figure 3

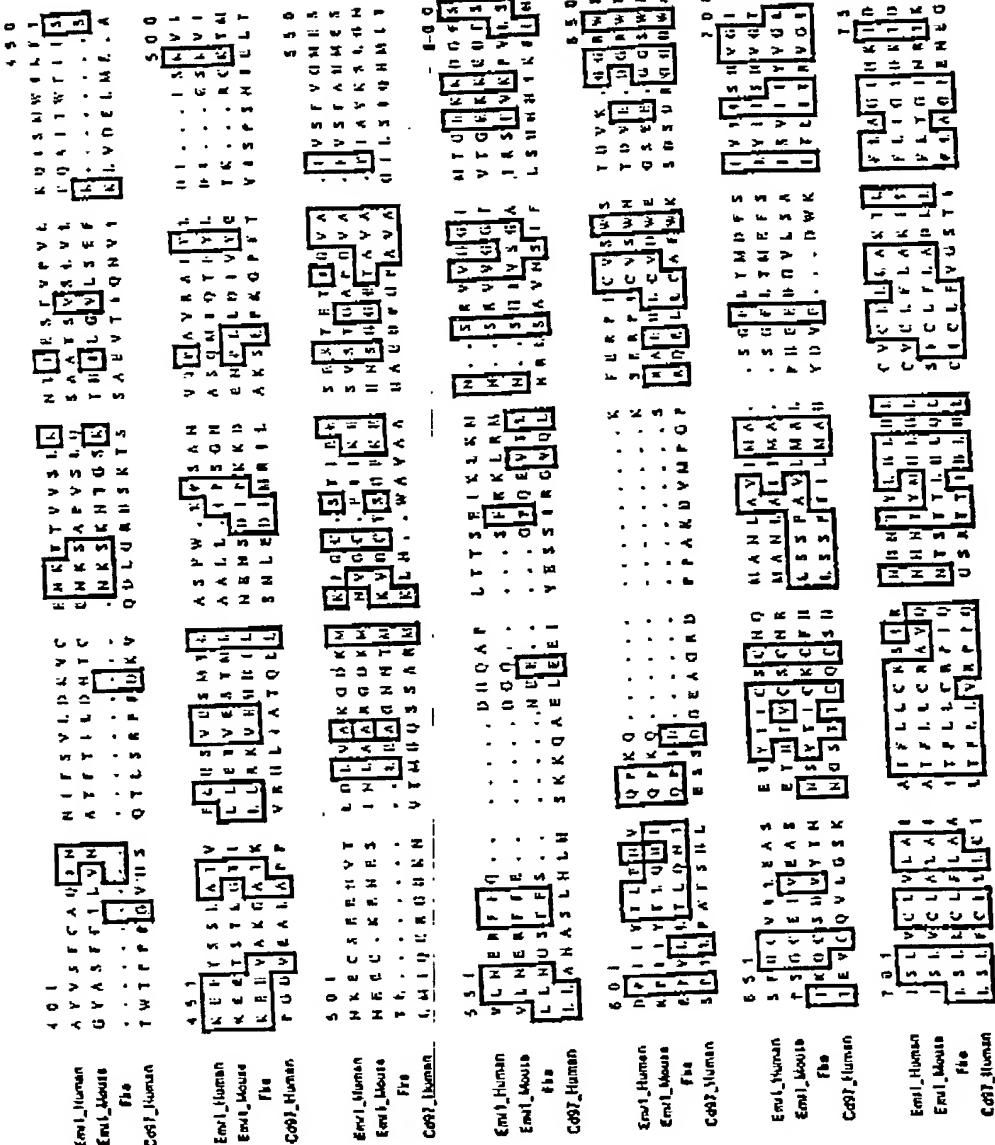


Figure 3 (continued)

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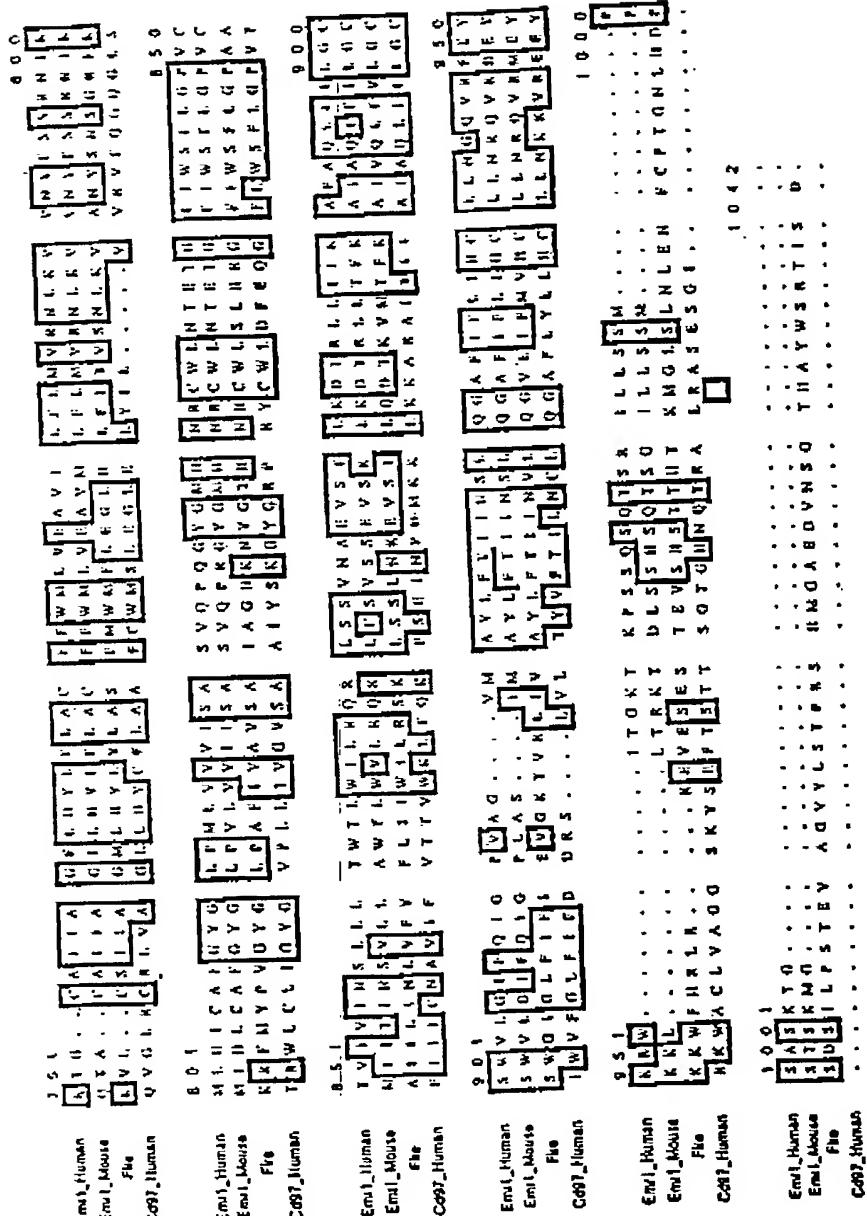


Figure 3 (continued)

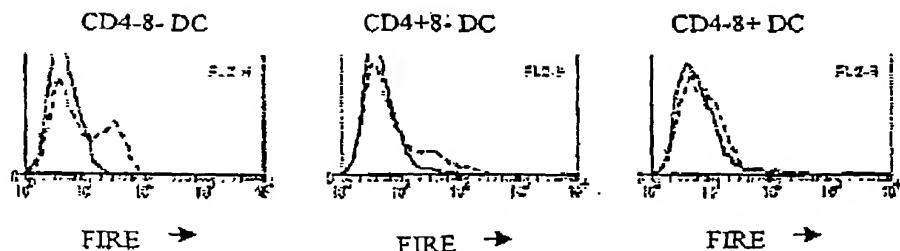
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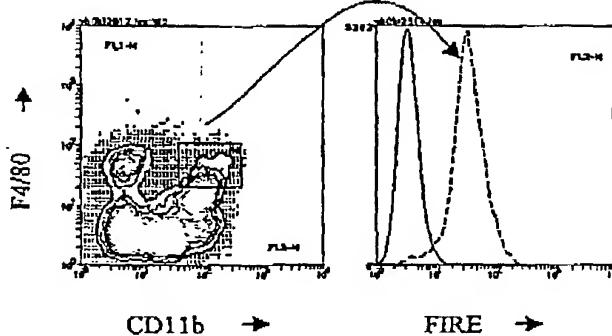
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A)



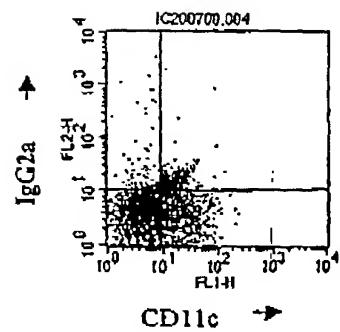
B)



C)

FIRE →

D)



E)

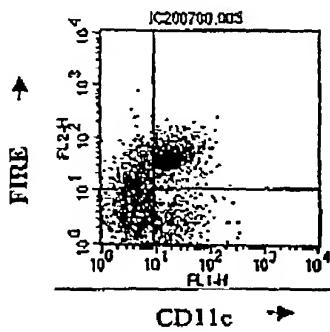


Figure 4

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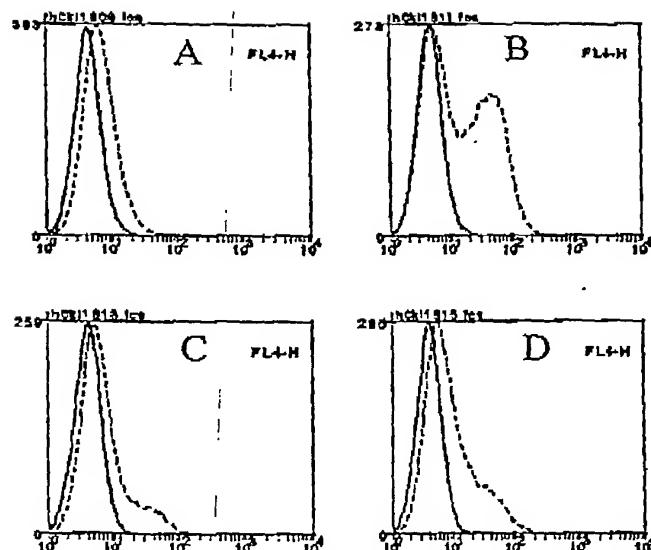


Figure 5

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Figure 6

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Figure 6 (continued)